

FIG. 1
PRIOR ART

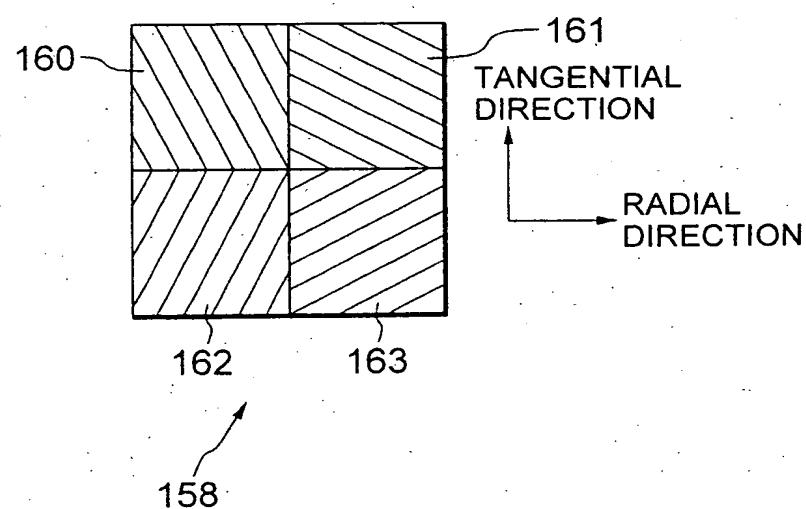


FIG. 2
PRIOR ART

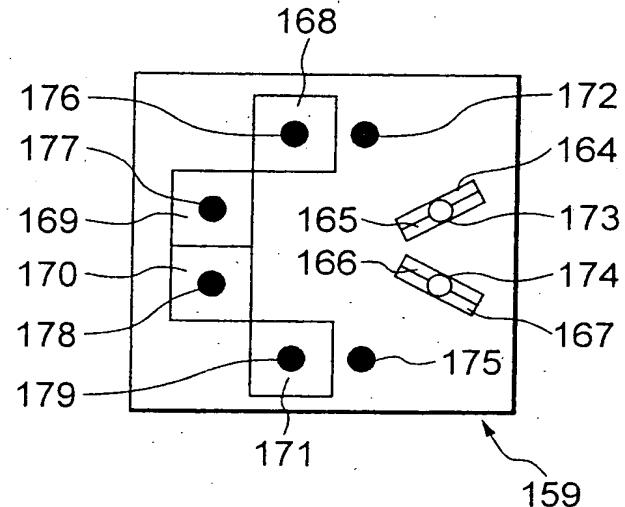


FIG. 3
PRIOR ART

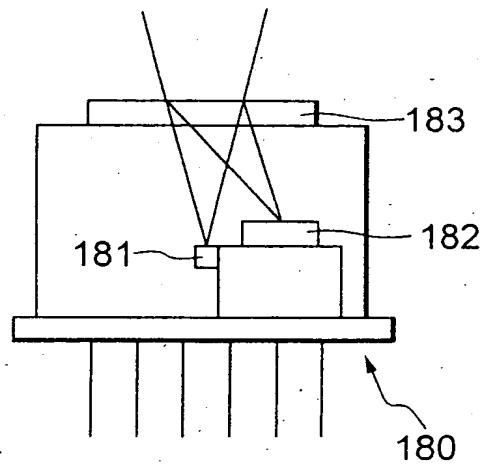


FIG. 4
PRIOR ART

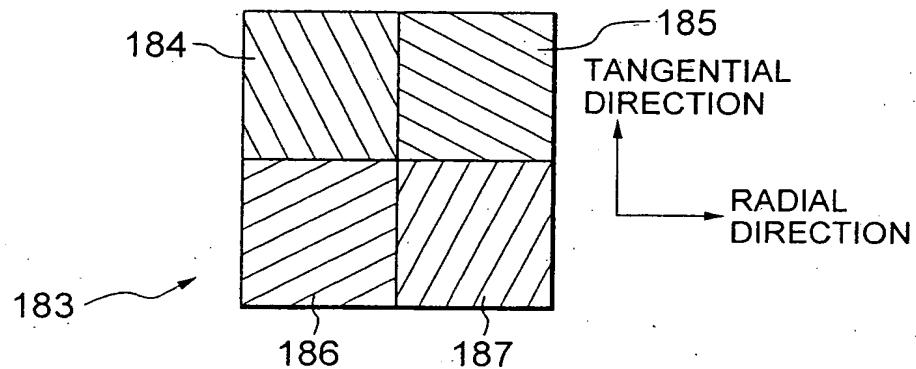


FIG. 5
PRIOR ART

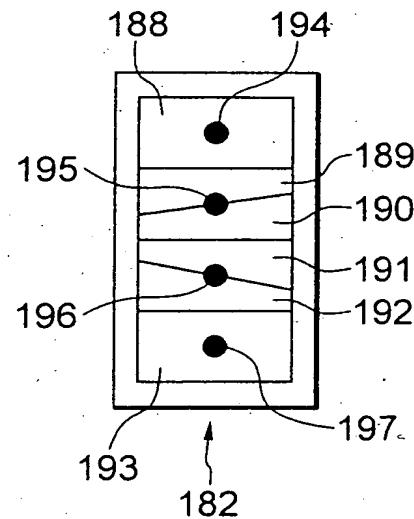


FIG. 6
PRIOR ART



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND
TRACKING ERROR SIGNAL
Inventor(s): Ryuichi KATAYAMA
Appl. No.: 09/442,773

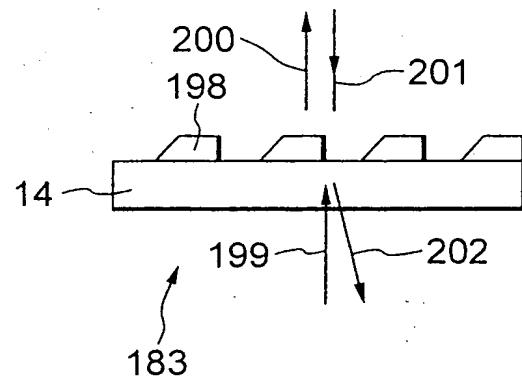


FIG. 7
PRIOR ART

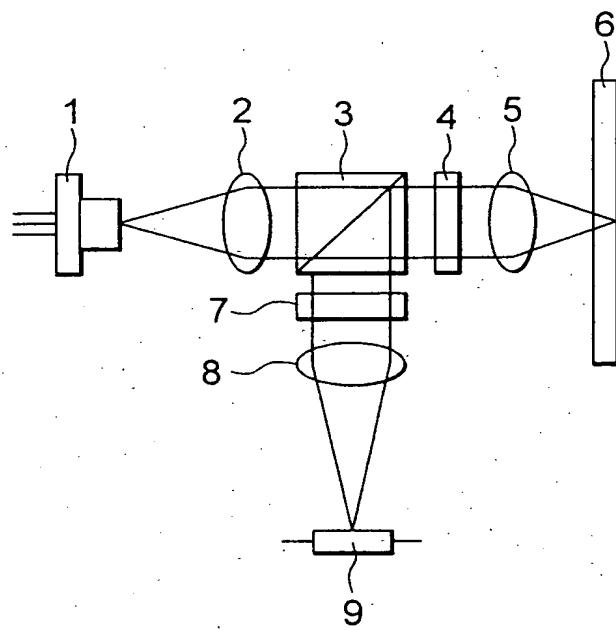


FIG. 8



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND
TRACKING ERROR SIGNAL
Inventor(s): Ryuichi KATAYAMA
Appl. No.: 09/442,773

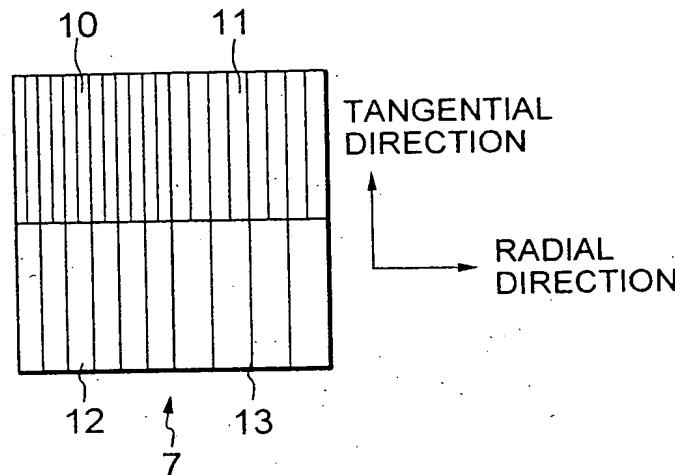


FIG. 9

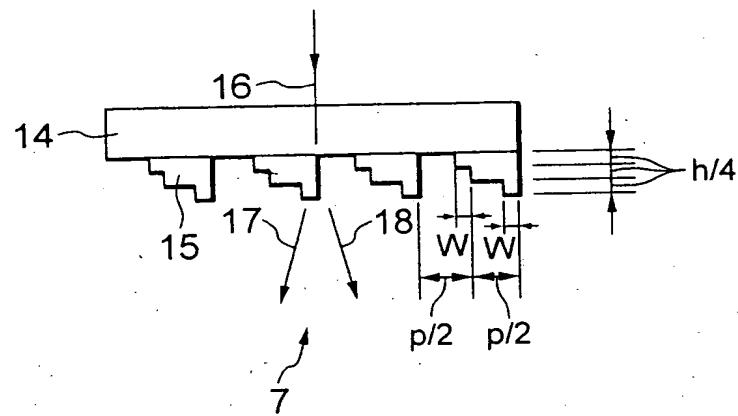


FIG. 10

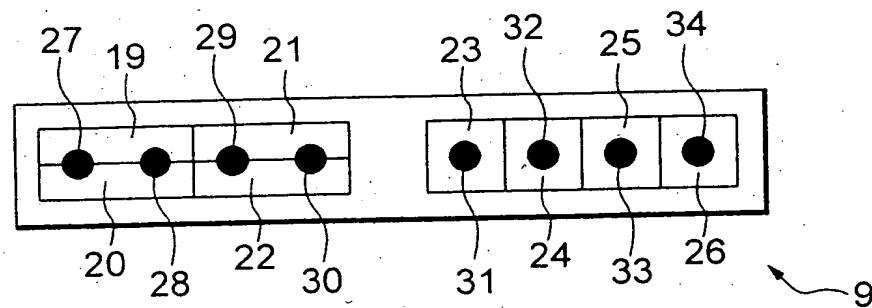


FIG. 11



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND
TRACKING ERROR SIGNAL
Inventor(s): Ryuichi KATAYAMA
Appl. No.: 09/442,773

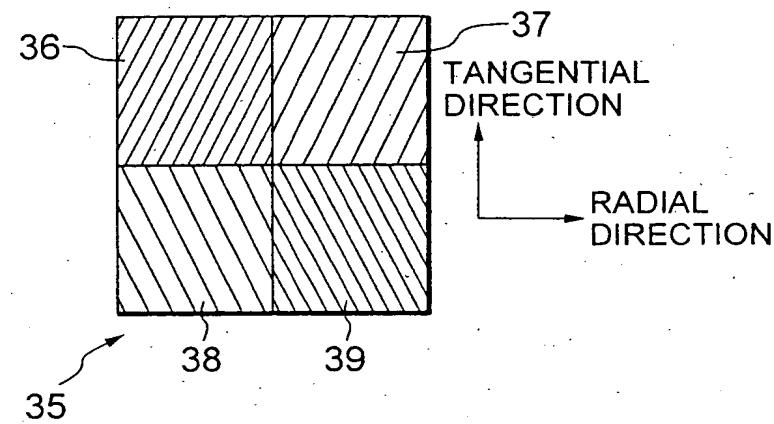


FIG. 12

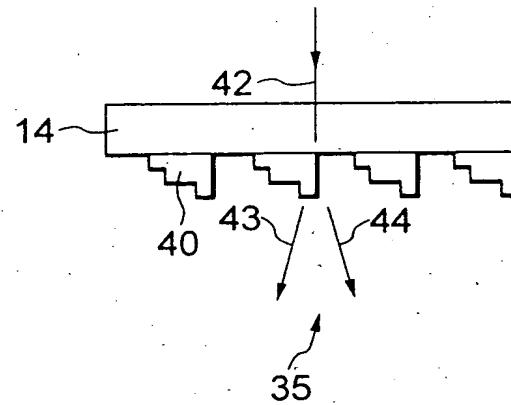


FIG. 13A

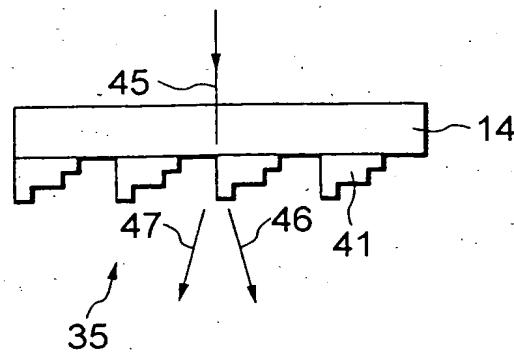


FIG. 13B

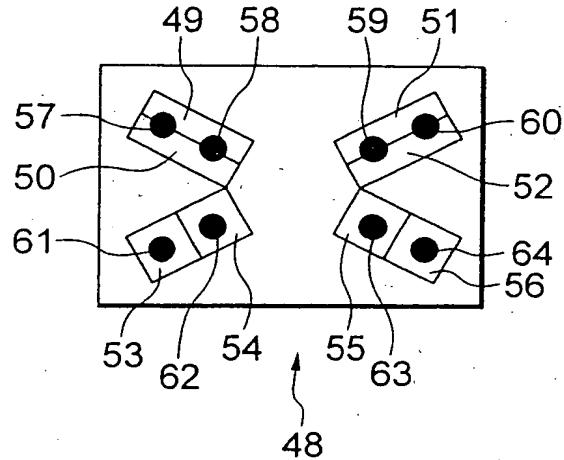


FIG. 14

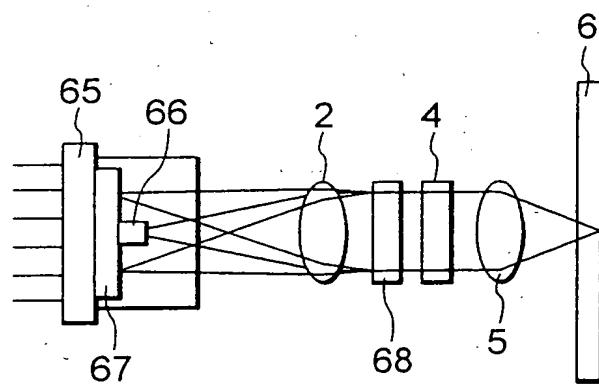


FIG. 15



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND
TRACKING ERROR SIGNAL
Inventor(s): Ryuichi KATAYAMA
Appl. No.: 09/442,773

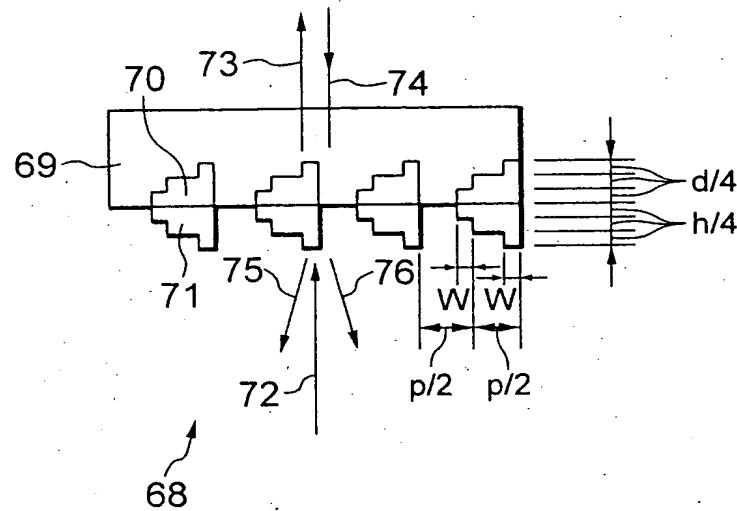


FIG. 16

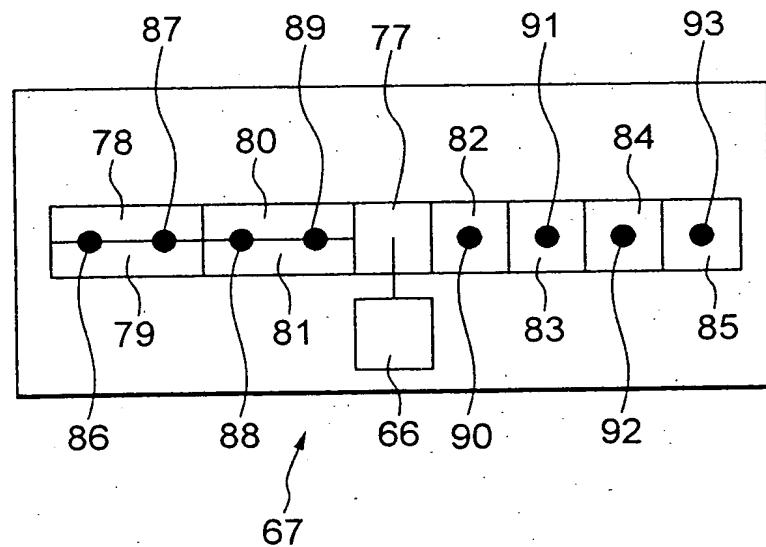


FIG. 17



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND
TRACKING ERROR SIGNAL
Inventor(s): Ryuichi KATAYAMA
Appl. No.: 09/442,773

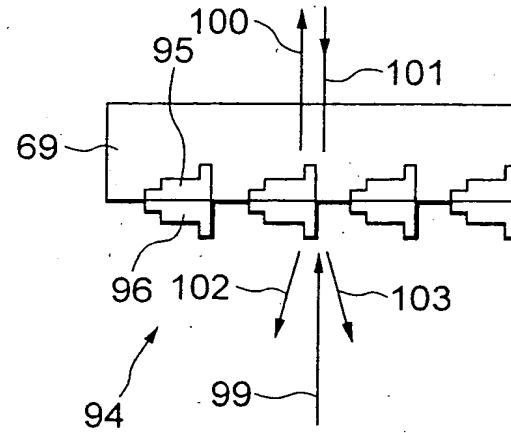


FIG. 18A

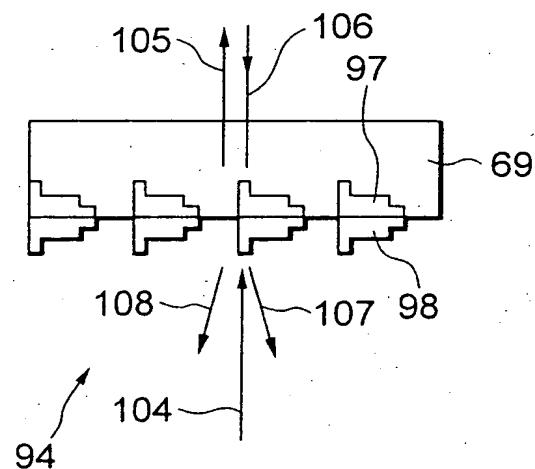


FIG. 18B



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND
TRACKING ERROR SIGNAL
Inventor(s): Ryuichi KATAYAMA
Appl. No.: 09/442,773

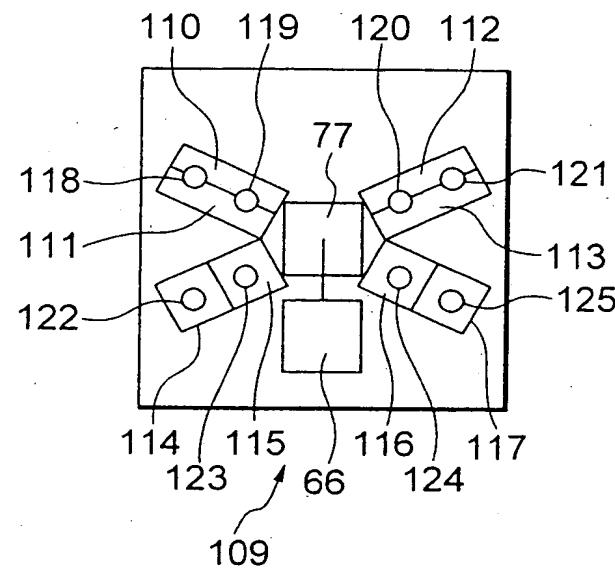


FIG. 19

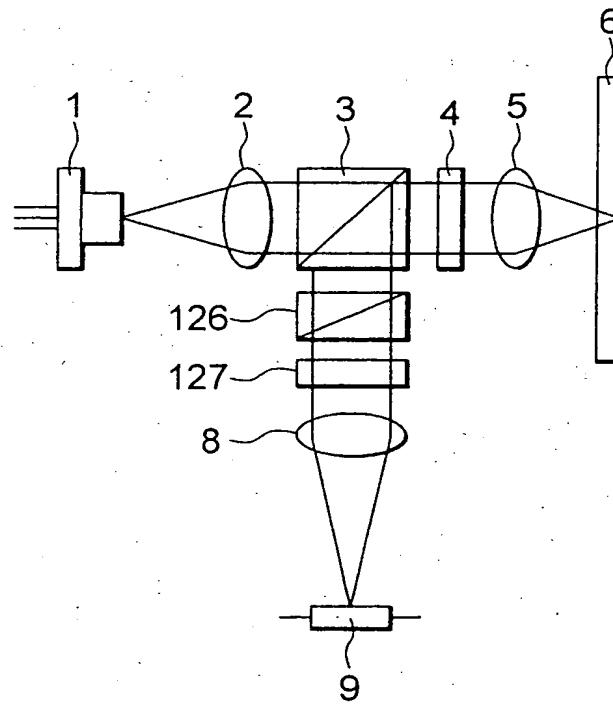


FIG. 20

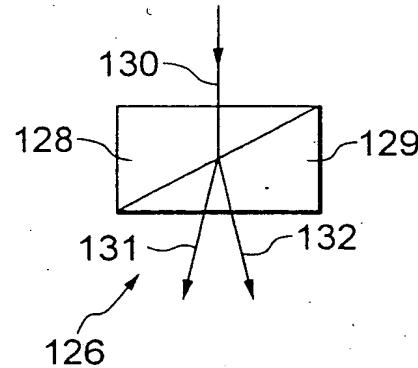


FIG. 21A

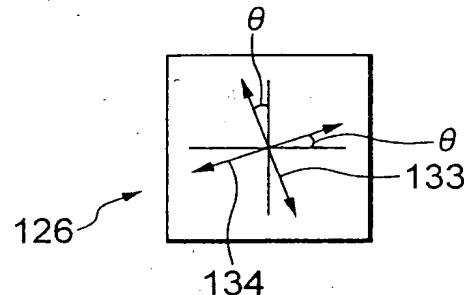


FIG. 21B

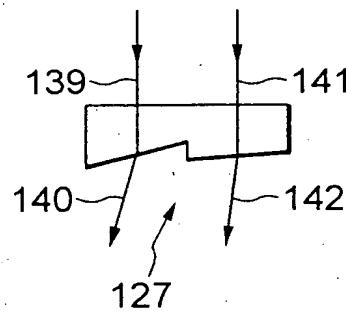


FIG. 22A

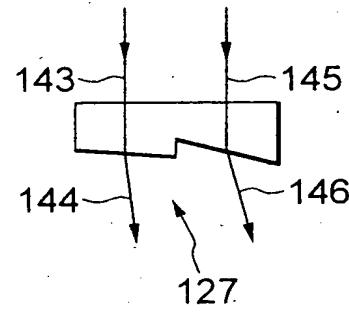


FIG. 22B

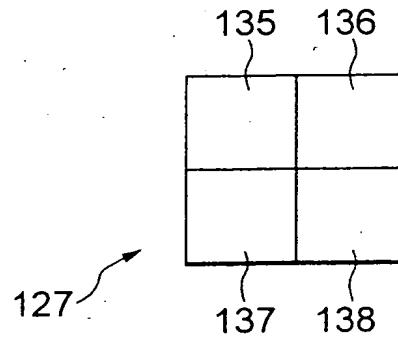


FIG. 22C



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND
TRACKING ERROR SIGNAL
Inventor(s): Ryuichi KATAYAMA
Appl. No.: 09/442,773

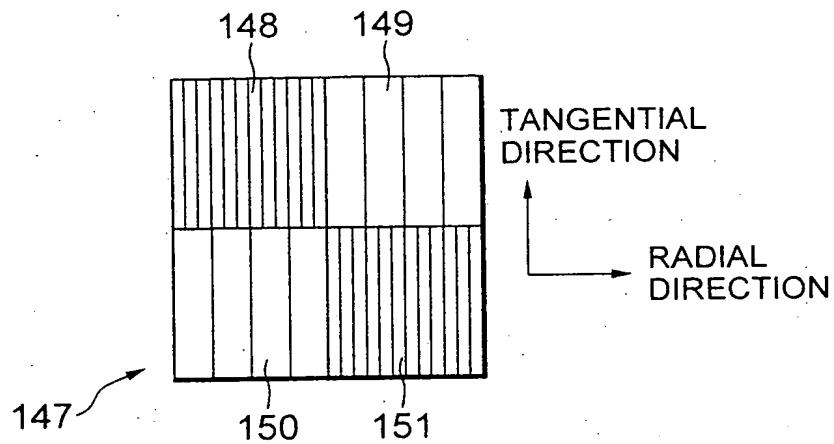


FIG. 23

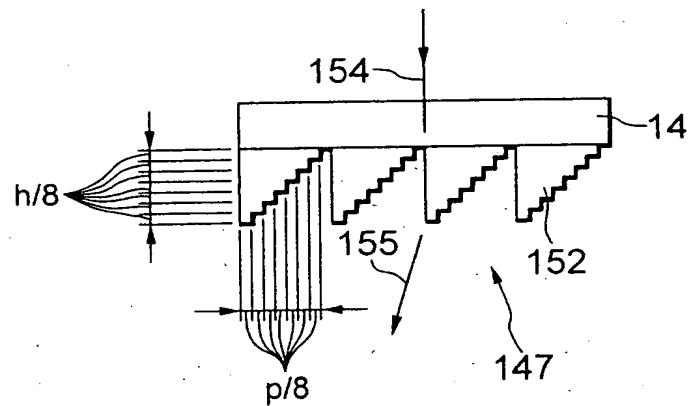


FIG. 24A

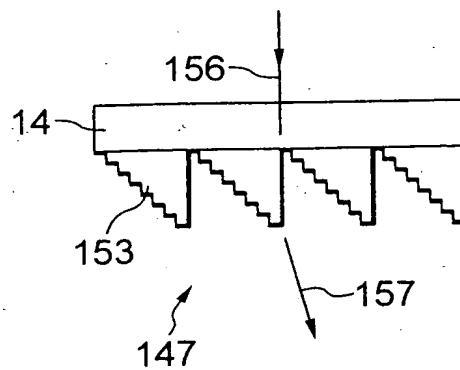


FIG. 24B